REMARKS

Claims 1-14 are pending. By this response, claims 1, 6 and 10 are amended. Reconsideration and allowance based on the above amendments and following remarks are respectfully requested.

Brief Summary of the Invention

Prior to addressing the specific rejections, applicants provide the following brief summary of the present invention. Embodiments of the present invention provide a display device which includes a display unit and a display control device. The display unit and the control device act together to obtain display characteristic information including both the luminance and chromaticity data of the lighting elements within the display: this and other information are used to obtain a chromaticity conversion parameter. In the display, the chromaticity conversion parameter is received by a chromaticity converter portion along with image data received from an image data receiving portion and calculated together to provide a converted image data. The converted image data is then provided to an image converter to convert the converted image data into a driving signal for driving the lighting elements of the light emitting portion of the display.

Art Rejections

The Office Action rejects claims 1-4 and 6-14 under 35 U.S.C. §103(a) as being unpatentable of Kojima, et al. (U.S. Patent No. 6,313,816) and Greene, et al. (U.S. Patent No. 6,243,059) and claim 5 under 35 U.S.C. §103 as being

unpatentable over Kojima and Greene and further in view of Yui (U.S. Patent No. 6,493,008). These rejections are respectfully traversed.

As recited in the presently amended claim 1, a memory portion stores display characteristics information of a light emitting portion and a chromaticity conversion parameter obtained on the basis of the display characteristics information stored therein. On the other hand, Kojima preliminarily measures characteristics of an RGB trio with a chromaticity adjuster, and obtains chromaticity correction coefficients on the basis of the measurement result (see col. 3, lines 12 to 25). Those coefficients are stored into a chromaticity correction data memory 21. Stated another way, Kojima does not obtain the chromaticity correction coefficients on the basis of display characteristics information stored in a memory portion. A chromaticity conversion parameter that is obtained on the basis of display characteristics information stored in a memory portion, which is one of the characteristics of claim 1, is neither disclosed nor suggested in Kojima and Greene.

Further, Greene fails to make up for the deficiencies of Kojima. Greene provides methods for correcting non-uniformities in chromaticity which occurs from materials, manufacturing and operation parameters in tiled color flat panel displays (FPD). Greene's methods controls materials, designs and manufacturing to create operational tolerances of pixel elements which will not exceed a defined threshold. Embodiments of Greene control adjacent pixels so

that a threshold of luminance and chrominance is not exceeded thus providing a visually pleasing image display.

As recited in the presently amended claims 6 and 10, a display control device is provided outside a plurality of display units interactively communicably therewith. The outstanding Official Action is correct in stating that a display control device 12 of Kojima is provided communicably with display units 2. However, while Kojima shows in Fig. 3 that communication can be conducted from the display control device 12 to the display units 2 (LED 19), it does not disclose or suggest whether communication can be conducted from the display units 2 to the display control device 12.

In claims 6 and 10, the display control device receives display characteristics information from each of the display units and determines a predetermined chromaticity range on the basis of all the display characteristics information obtained. Accordingly, it is required in claims 6 and 10 that the display characteristics information be communicated from the display units to the display control device.

On the other hand, as recognized in the Official Action, Kojima's display control device 12 does not receive display characteristics information from the display units 2. The invention recited in Kojima does not include the idea of communication from the display units 2 to the display control device 12. Likewise, there is no disclosure whatsoever in Greene that two-way

communication can be conducted between display units and a display control device.

Further, Yui fails to make up for the deficiencies of Kojima and Greene. Yui has been relied upon to teach the feature of a processing portion for receiving a mixed signal as recited in dependent claim 5. As such, Yui has not been relied upon to teach the features of the independent claims. Indeed, Yui can not be relied upon to teach these features as Yui provides a multiscreen display system for controlling various images and data displayed on a screen, and is not related to correcting the luminance and chrominance of image data.

Accordingly, based on the above, the combination of Kojima and Greene would not produce applicant's claimed invention. Thus, applicants respectfully request reconsideration and withdrawal of the rejections.

Conclusion

For at least these reasons, it is respectfully submitted that claims 1-14 are distinguishable over the cited references. Favorable consideration and prompt allowance are respectfully solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad J. Billings (Reg. No. 48,917) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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Attachment(s)